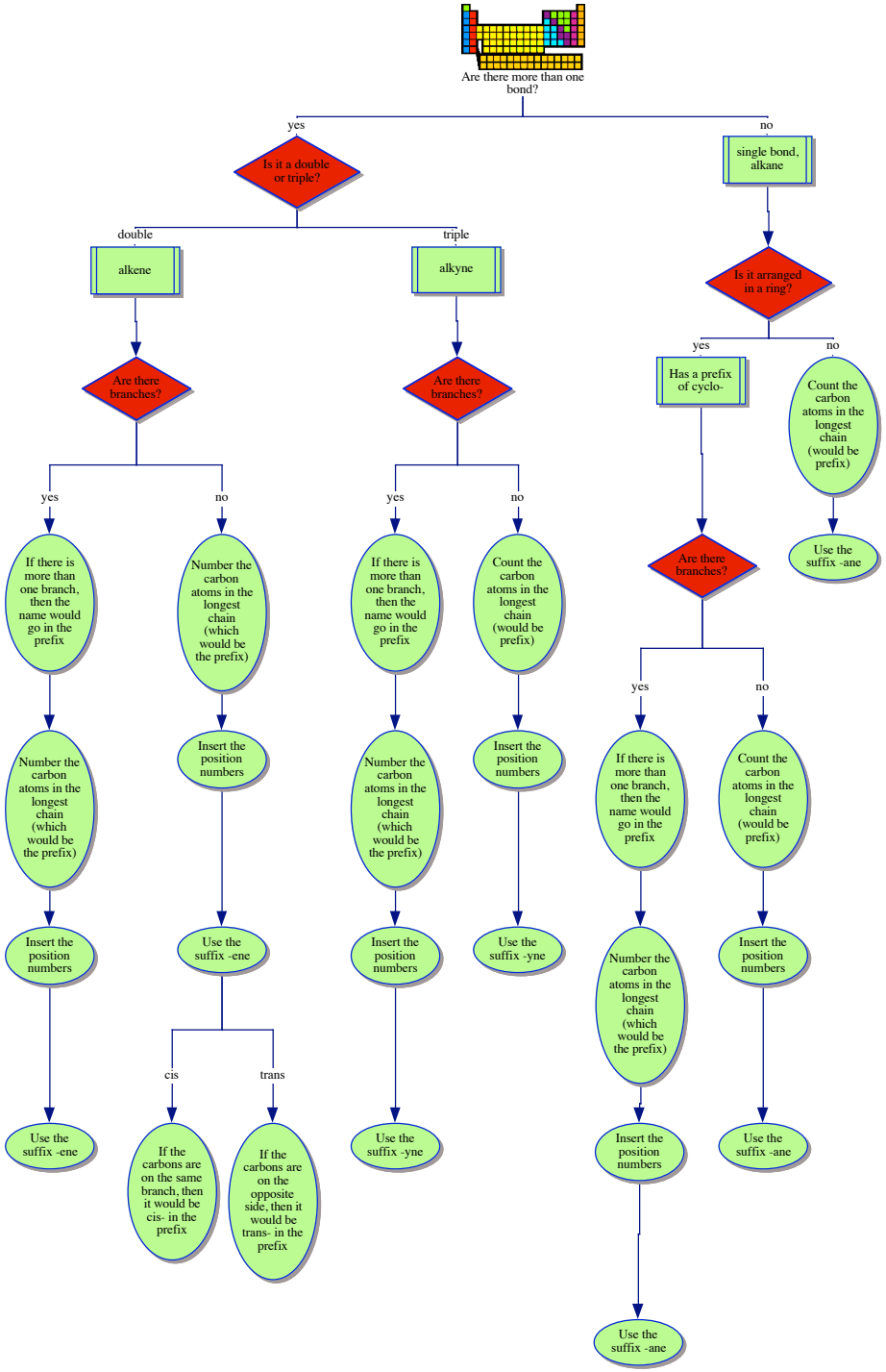
Are there more than one bond?
yes
no
Is it a double or triple?
single bond, alkane
double
triple
alkene
alkyne
Is it arranged in a ring?
Are there branches?
Are there branches?
yes
no
Has a prefix of cyclo-
Count the carbon atoms in the longest chain (would be prefix)
yes
no
yes
no
yes
no
If there is more than one branch, then the name would go in the prefix
Number the carbon atoms in the longest chain (which would be the prefix)
Number the carbon atoms in the longest chain (which would be the prefix)
Count the carbon atoms in the longest chain (would be prefix)
Use the suffix -ane
Are there branches?
Insert the position numbers
Insert the position numbers
Insert the position numbers
Use the suffix -ene
Use the suffix -yne
yes
no
Use the suffix -ene
cis
trans
Use the suffix -yne
If there is more than one branch, then the name would go in the prefix
Count the carbon atoms in the longest chain (would be prefix)
If the carbons are on the same branch, then it would be cis- in the prefix
If the carbons are on the opposite side, then it would be trans- in the prefix
Number the carbon atoms in the longest chain (which would be the prefix)
Insert the position numbers
Insert the position numbers
Use the suffix -ane
Use the suffix -ane